

IRON AGE

FARM, GARDEN AND ORCHARD TOOLS

AMERICAN FACTORY
BATEMAN MFG CO.
GREENLOCH, NEW JERSEY

CANADIAN FACTORY
THE BATEMAN-WILKINSON CO., LIMITED
TORONTO, ONTARIO

TOOLS ARE CARRIED IN STOCK AT CENTERS OF DISTRIBUTION
LIBERAL STOCKS OF SUITABLE TOOLS FOR EACH VICINITY ARE CAR-
RIED BY THE BEST CLASS OF IMPLEMENT AND HARDWARE DEALERS
IN THE COUNTRY



Marking 3
Rows at
once (one
with plow
in front)



Side dressing
cabbage with
nitrate of soda



Opening the furrow,
sowing fertilizer,
covering and mark-
ing next row

Trucker's Variety Machine

Row Maker
Planter
(Corn, Beans and Peas)
Cotton Planter
Peanut Planter
Asparagus Ridger
Side Dressing Machine
Row Markers

Here is a machine with which, perhaps,
you are not thoroughly acquainted, or at
least have not realized what it might mean
to you. One man who has used it says:

**"It's a Little Yellow Mine to
the Farmer and Trucker"**



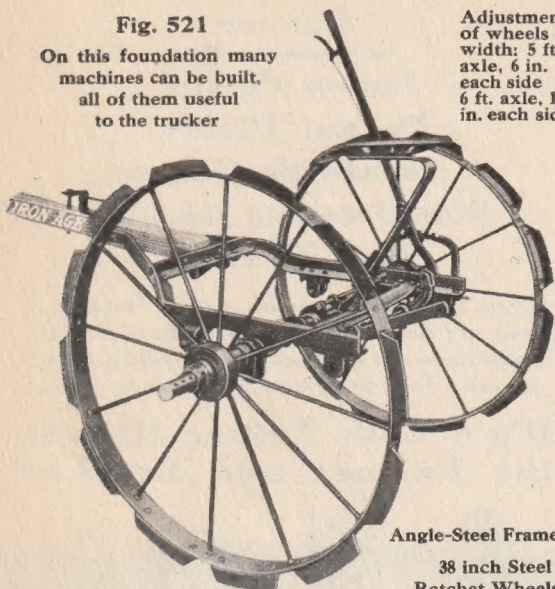
IF NOT HANDLED BY YOUR LOCAL DEALER, WRITE US FOR NEAREST
ADDRESS WHERE TOOLS CAN BE SEEN AND EXPLAINED

Trucker's Variety Machine—Frame and Row Marker

Fig. 521

On this foundation many machines can be built, all of them useful to the trucker

Adjustment of wheels for width: 5 ft. axle, 6 in. each side
6 ft. axle, 16 1/4 in. each side



Angle-Steel Frame
38 inch Steel
Ratchet Wheels

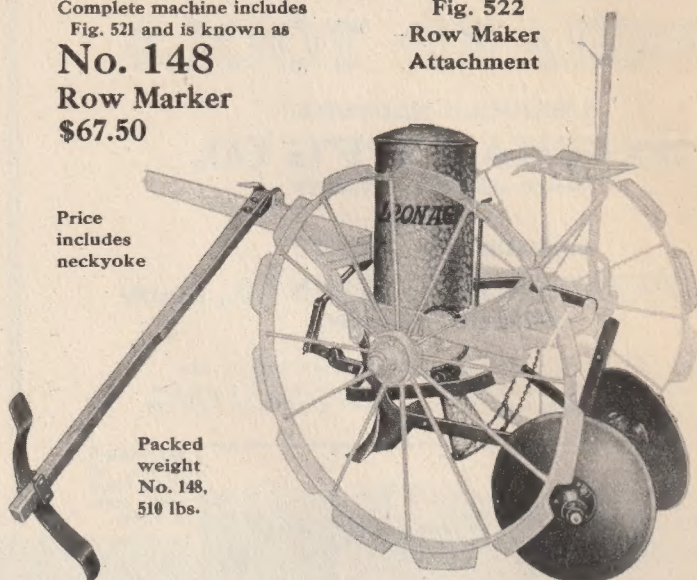
Complete machine includes Fig. 521 and is known as

**No. 148
Row Marker
\$67.50**

Price includes neckyoke

Fig. 522

Row Maker
Attachment



Packed weight
No. 148,
510 lbs.

No. 148 Row Maker

Fig. 522 shows, in black, the parts necessary to add to Fig. 521 foundation in order to make complete No. 148. In this form, the machine

Will open its own furrow in prepared ground, sow the fertilizer and mix it with the soil as it covers it, also marking the next row all in the same operation.

The fertilizer distributor is the same as the one used so successfully during many years on the Iron Age Potato Planter. Distributes all kinds of commercial fertilizer and without waste. A scraper, placed on top of the fertilizer, drops by its own weight as the material feeds from under it. (See Fig. 458, page 7.) A square shaft with steel cross pins revolves the scraper and keeps an open space in the centre—the fertilizer falls through this space, light and loose, on a cone and is forced to the spreader by a feed wheel. The amount is regulated from the seat by a lever, saves waste in turning at ends of rows. Capacity of the galvanized hopper is about 90 pounds. A cover on the hopper keeps the fertilizer from blowing in your eyes and also keeps it from being wasted. Spreads in two streams on the sides of the furrow where it cannot possibly injure the seed because your seed row is made in the middle. 3 inch clearance between spreader and ground.

One lever raises plow and disk gangs at the same time and shuts off flow of the fertilizer. The plow is adjustable for depth. Disks are 16 inch and adjustable for height and angle also, and are fitted with grease cups. Any kind of covering can be done—flat, medium or high ridge. (See also page 5 for Leveler Attach. which can be used with the disks.) Adjustable Marker.

See page 7, for illustration of fertilizer distributor.

We have rebuilt this machine to follow the lines of our new steel frame Potato Planter and have added several new attachments that materially increase the value of the machine to Southern as well as to Northern truck farmers.

We are showing the illustrations in a somewhat different way in the hope that you will more readily see the possibilities of the machine.

First, please note that (except the Row Markers on page 8) it is built on the unit plan and can be purchased in any form and added to or subdivided into any of the following machines:

Row Maker	Row Marker
Planter (Corn, Beans and Peas)	
Side Dresser	
Asparagus Ridger	
Cotton Planter	Peanut Planter

All changes are easily made, and each machine is complete in itself and does its work as it should be done. Nothing is sacrificed because it is a combination machine and you have the satisfaction of knowing that here is a tool that can be used through most of the season in many very practical ways—you get your money's worth quicker. Isn't that worth while? It also saves storage room.

The foundation is shown in Fig. 521, which illustrates the new steel angle frame, 38 inch steel wheels with steel angle lugs and ratchet hubs. The steel axle is 1 3/4 inch and 5 feet long with holes in each end to allow for adjustment of wheels under varying conditions. Note that lever, seat, clutch parts, lever quadrant, lugs to which gangs are attached and pole with whiffletree and marker iron, are all part of this base. It also includes a neckyoke ready to attach.

As a Corn, Bean and Pea Planter

No. 148 P Row Maker and Planter

Fig. 510 shows, in black, parts that are necessary to add to No. 148 to make complete Planter for Corn, Beans or Peas. Includes Figs. 521, 522, 510.

It will open its own furrow in prepared ground, sow the fertilizer and mix it with the soil as it covers it, level the ridge, open another and narrower furrow for the seed, sow the seed close to the ground so it won't scatter, cover and roll it, and mark next row, all in one operation.

The seed hopper is similar to the one used on our Potato Planter, when the latter is changed to plant corn, beans and peas. Sows peas accurately in continuous rows or will drop corn or beans in hills at $7\frac{1}{2}$, 9, 12, $15\frac{1}{2}$, $18\frac{1}{2}$ or 20 inches apart, and the right amount in each hill. Each outfit includes among other parts, a frame and adjustable brush which pushes the surplus seed from the openings in the seed plates, an adjustable gate which regulates flow of pea seed, and set of six plates, five for corn and beans, and one corrugated plate for peas. We also furnish set of double distance seed plates (Fig. 296) for dropping the seed twice as far apart or 15, 18, 24, 31, 37 or 40 inches.

The seed is dropped through a set of galvanized seed tubes to the rear of the seed plow which does not show in the illustration, Fig. 510, but is located back of the V-shaped leveler.

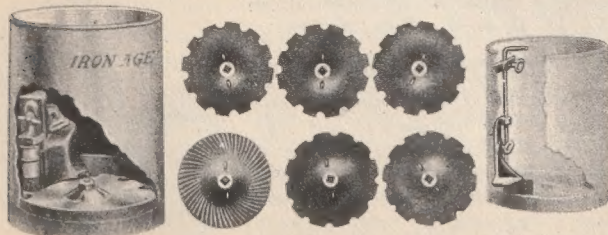
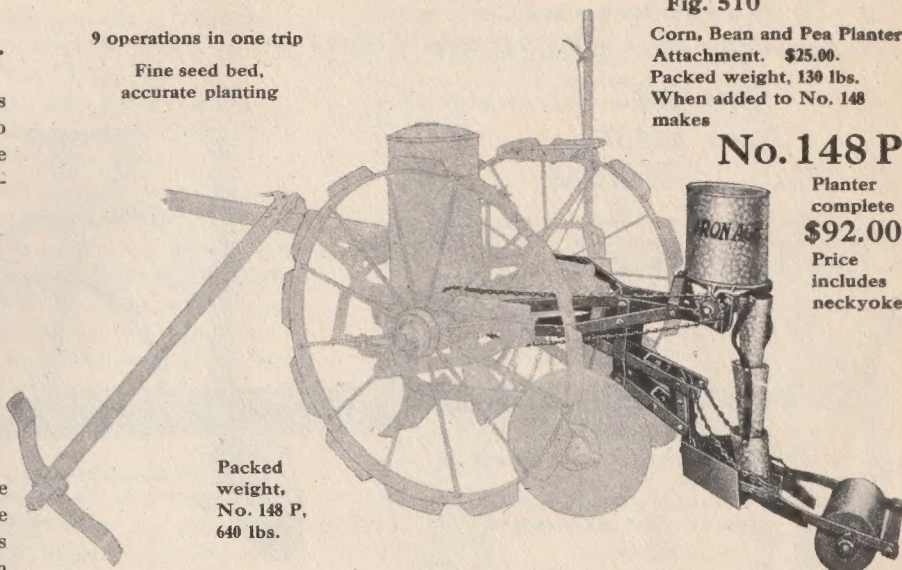


Fig. 267

Brush, seed plates for corn, beans, peas, and gate open for peas

9 operations in one trip
Fine seed bed,
accurate planting



Packed weight,
No. 148 P,
640 lbs.

Fig. 510

Corn, Bean and Pea Planter Attachment. \$25.00.
Packed weight, 130 lbs.
When added to No. 148 makes

No. 148 P

Planter complete
\$92.00
Price includes
neckyoke

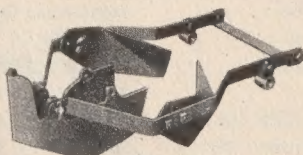


Fig. 512

Special Plow and Coverers for
Deep Planting of Peas. \$2.50

For those who desire to plant peas deep, we can supply a special plow for deep and wide planting with special coverers to take care of this deeper and wider furrow. Plants about $4\frac{1}{2}$ inches deep and makes a flat bottom furrow $2\frac{3}{4}$ inches wide so peas can spread out in it. The parts should be ordered as attachment Fig. 512, Price, \$2.50.

When attachment Fig. 510 is raised from the ground by lever at the same time as plow and disk gangs, the frame of it folds up like a jack knife and when released, settles itself naturally and freely. The lever shuts off flow of seed and fertilizer when it raises the gangs.

This planter attachment is worth every cent that we ask—it does its work so well. It places the fertilizer just right, mixes it with the soil and covers it, so it cannot touch the seed, and in the covering operation makes a beautiful seed bed. Then comes the seeding part—first, it levels the seed bed so the planting will be uniform depth; then makes the narrow furrow into which the seed is carried close by the tubes, and covers it thoroughly and packs it. Every part of this work is exact, no guess work. Is not the expense of doing it this way justified?



Fig. 296

Double distance seed plates.
Price, per set, \$2.50

THESE PRICES ARE NOW VOID.

Trucker's Variety Machine—As a Row Marker

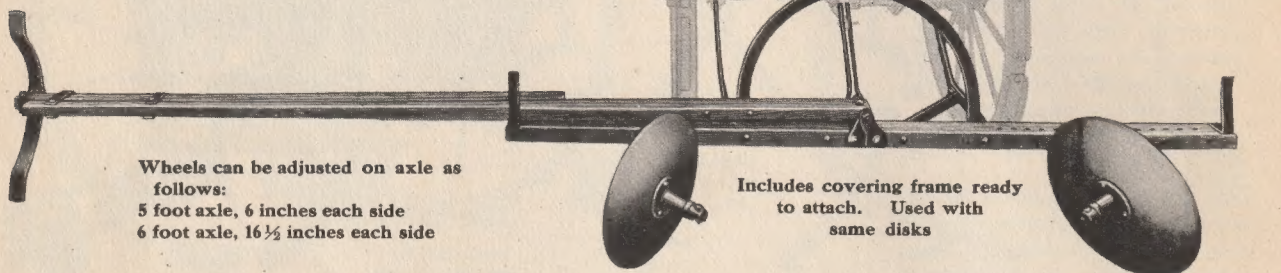
Fig. 524, Two-Row Marker and Covering
Attachment when added to Fig. 521 (page 2) makes

No. 147

Price, \$45.00

Packed weight, No. 147, 435 lbs.

Neck yoke included with each machine. Marks rows 28 inches to 5 feet apart. See note of wider machine below; also page 8 for other markers



Wheels can be adjusted on axle as follows:
5 foot axle, 6 inches each side
6 foot axle, 16½ inches each side

Includes covering frame ready to attach. Used with same disks

No. 147 Two-Row Marker

Fig. 524 shows, in black, the parts that are necessary to add to Fig. 521, in order to complete No. 147. With it

Two rows can be marked from 28 in. to 5 feet apart, the disks being adjustable on the cross bar every 1½ inches on each side, between the limits.

The marker pole is extended twice the width at which the disks are set, the horses walk straddle the mark and the rows come just right. A lever controls the depth at which the disks work and also raises the entire marker attachment clear of the ground when turning. Rear bar locks down in the centre only.

The marker bar is raised and automatically locked on the circular arch, when turning at ends of rows or when on the road.

This machine is used for check rowing corn land and preparing ground for planting other crops. The rows are made straight, even on hillsides—the lugs or spurs on the wheels prevent slipping. The attachment includes a covering frame, shown at the right, so that you can use the machine as a coverer by

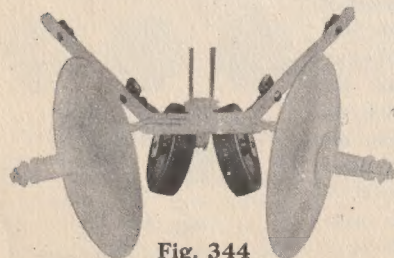


Fig. 344

Black parts show steadying wheels, \$2.50

taking off the rear bar, attaching covering frame and using same disks as you had for marking.

No. 147 has a 5 foot axle. When wider machine is wanted, we have one with 6 foot axle and marker bar to match. The adjustment limits are 28 in. to 6 feet apart. Order as No. 147 W, Price, \$46.00.

Do not lose sight of the fact that No. 147 can be built up into a Row Maker (No. 148) or a complete Planter (No. 148 P), by ordering first, a plow gang, marker bar and fertilizer distributor and next Fig. 510, on page 3.

Fig. 346 shows, in black, parts necessary to make No. 148 into a Row Marker or when added to No. 148 P makes a complete machine known as No. 147 P. R. M. Price, \$102.00.

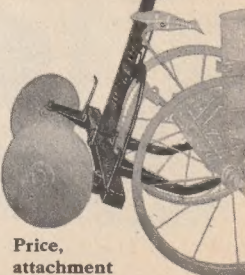
Steadying Wheels

Fig. 344 shows steadying wheels which are not furnished on any 1915 machine except as an attachment, Price, \$2.50. They are sometimes used in connection with the covering disks where the furrow has been opened in advance. They run just ahead of the disks on the side of the furrow, and steady the machine for proper covering.

Fig. 346

Black parts show marker, as attachment only

Raised clear of ground when turning



Price, attachment only, \$10.00

As Asparagus Ridger and as Side Dresser

Fig. 526 shows, in black, parts necessary to add to Fig. 521 on page 2, to make a complete Asparagus Ridger. If you have Nos. 147, 148, 148 P, order as Fig. 526 only.

For growers of the green variety. When fitted as shown this machine ridges asparagus to support and protect the lower part of the stalks so they won't be broken in the cutting season.

Ridging is important after each cutting, because repeated cutting and rains wear the ridges down and weeds get thick.

By this ridging, loose soil is thrown up on the beds by 20 inch disks, which are adjustable for angle, width and height of the ridge. The wheels can be adjusted each side on the axle to make them track 3 feet 1 inch to 6 feet 2½ inches. The disks can be set to make a ridge 16 inches wide at the bottom and 6 at the top, up to 36 inches at the bottom and 24 inches at the top. The axle is 1½ inches in diameter and one wheel is fixed as a pivot for turning.

Other uses. Good for ridging celery, and for making higher and larger seed beds than with the regular No. 148 Variety Row Maker. Also, for covering and killing weeds and grass before digging potatoes. (We have a low-price ridger for this purpose—if interested ask us for special folder.)

If this machine is wanted complete as an Asparagus Ridger only, order as No. 149. Price, \$48.50. In this form it will not include the clutch parts on the axle nor rear or front gang lugs on the frame and will have 36 inch wheels without ratchets.

Leveler attachment. This is of special advantage in planting peas or leveling a ridge where fertilizer or manures have been distributed.

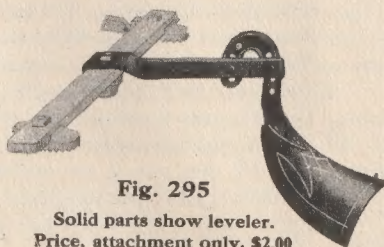


Fig. 295

Solid parts show leveler.
Price, attachment only, \$2.00

For Side Dressing, order Fig. 265, Double Spreader. Puts quick acting fertilizers, such as nitrate of soda, where they will do the most good—on each side of the growing crop. This forces the crop to early maturity, and you can get to market when prices are high. This has become a common practice with market gardeners. The crop is more tender and has a readier sale. Our fertilizer distributor handles nitrate of soda in good shape. The holes at top of spreader will adjust it so that fertilizer will fall in the center and be divided evenly, no matter how much you sow.

The fertilizer may be covered in same trip by attaching covering disks as in Fig. 522, page 2, but you must use your own judgment about this. Most people apply side dressing just before cultivation.

When wanted as complete machine, order No. 149. It can not be built up into any other form of Variety Machine. But this attachment fits Nos. 147, 148

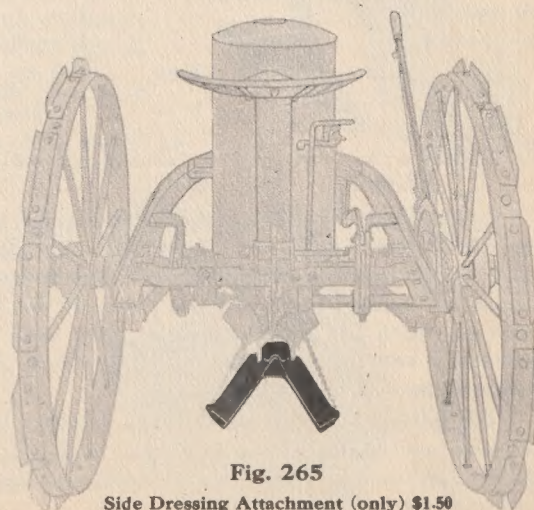
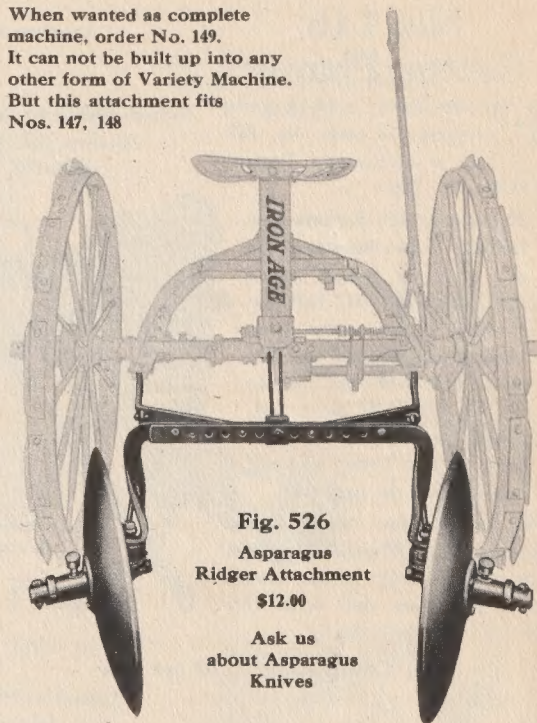


Fig. 265

Side Dressing Attachment (only) \$1.50

Trucker's Variety Machine—As a Cotton Planter

No. 146 Cotton Planter

Fig. 509 shows, in black, parts necessary to make No. 148 into a complete *Cotton Planter, No. 146*.

It will open the furrows, sow fertilizer in two streams at the side where it cannot injure seed, make the "list" with the covering disks, at the same time mixing the soil and fertilizer and level "list" to any desired height of seed bed, open a seed furrow, sow the seed, cover it loosely and roll it, and mark the next row.

The table given below shows approximate difference in cost between planting cotton under the old system and with this machine—the new way:

Comparative Cost per Day

Old Way	Men	Mules		
To open the row	1	1		
To sow fertilizer	1	1		
To make the list	2	2		
To plant cotton	1	1		
	5 @ 75c. = \$3.75	5 @ 75c. = \$3.75		
<i>New Way</i>				
To plant crop	1	2	.75	1.50
<i>The saving</i>			\$3.00	\$2.25

In other words, you save four men and three mules, amounting to \$5.25, each day you work the new way. More than this these men and mules can be doing something else to make your farm more valuable. There never was a farm yet that had too much cultivation and, generally speaking, most farms have a great deal of work that never gets done because of lack of help or time to do the work.

This machine will plant about 6 acres per day. Planting 100 acres, you have the machine nearly paid for in your saving, the first year, to say nothing of the satisfaction of putting your seed in the right way.

Cotton Seed Attachment
\$22.50

When added to No. 148 (page 2)
makes No. 146 Cotton
Planter, \$90.00

Packed
weight,
590 lbs.

9 operations
in one trip

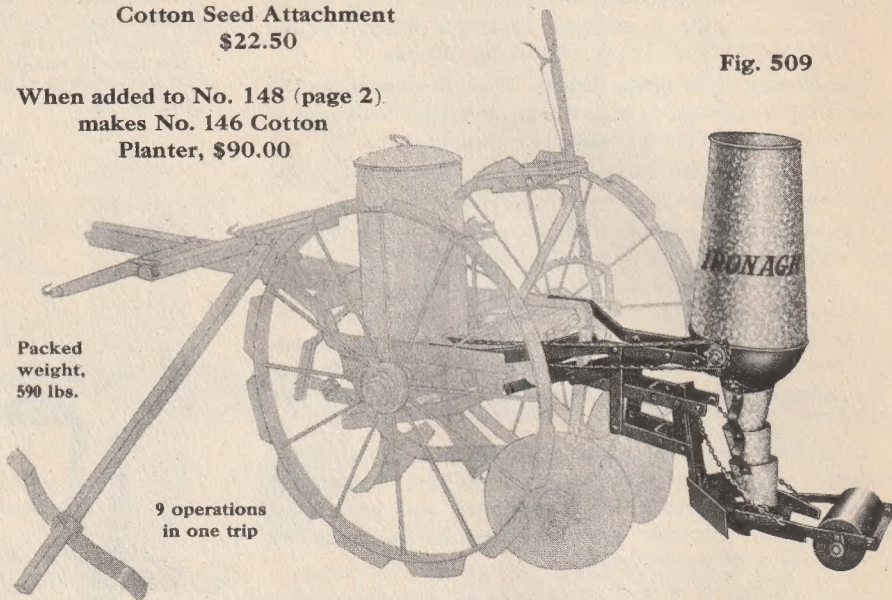


Fig. 509

Again this machine can be set to do so many things other than planting cotton that you get returns on your investment throughout the season. You can make up rows in any way you like, with or without fertilizer and fertilize right, too. With *Corn, Bean and Pea seed attachment*, you can plant any of these crops right. Order as Fig. 510-C, Price \$7.00. (Includes Fig. 267, page 3, and the seed tubes.) With Fig. 526 on page 5, you can ridge asparagus or bank celery or cover and kill weeds, etc. With Fig. 265, page 5, you can side dress growing crops. You can make it into a two-row marker with Fig. 346, page 4. Then, you can make it into a three-row furrower with Fig. 441, on page 8.

Construction of No. 146

The seed hopper is large, galvanized and shaped so seed will fall readily. There is a positive sowing device in the bottom of the hopper, that is *adjustable for quantity*—this always assures a good stand because, as you know, the quality of cotton seed is rather uncertain.

The seed plow is adjustable for depth of planting. As on the corn, bean and pea planter, one lever raises both gangs and the frame of the seeder folds like a jack knife. Raising the lever also shuts off flow of seed and fertilizer.

The high wheels on this machine prevent the machine working sidewise when making the "list."

As a Peanut Planter

Fig. 511

Peanut Seed Attachment

\$25.00

9 operations in
one trip

When added to No. 148 (page 2)
makes No. 144 Peanut Planter
\$92.50

Packed
weight,
No. 144,
576 lbs.

The peanut crop is
very important and
very valuable. This
machine will save its
price in a short time,
by correct planting,
in the right kind of
a seed bed

No. 144 Peanut Planter

Fig. 511 shows, in black, the parts necessary to add to No. 148 Row Maker (page 2) to complete No. 144 Peanut Planter. It will

open its own furrow, sow fertilizer, mix it with soil and cover in a fine loose "list," level to the right height, cut furrow for seed at uniform depth, sow the seed, cover it and pack it, and mark the next row.

The seed sowing is by the cup chain method with a vibrating arm which removes surplus seed from the cup without injuring the seed.

A change of sprockets is furnished to drop seed 8, 12, or 16 inches apart in the row. Plow is adjustable for depth.

In all other respects the machine is like the cotton planter and can be used with the same attachments as explained on page 6.

Fertilizer Distributor

At the left we show a detail view of the fertilizer distributor used on Nos. 148, 148 P, 147 P. R. M., 146, 144. It is fully described on page 2. Can be applied to No. 147 at any time but you will have to order a plow gang with it.

Either Single or Double Disk Opening Plows

Can be furnished in place of the plain opening plow shown in Fig. 521. If wanted with single disk plow, add letter "A" to the number. If with double disk plow, add letter "B" to the number, and add \$2.50 to the list price in each special case.

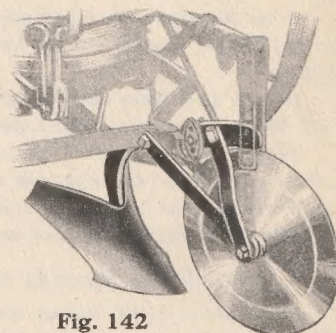
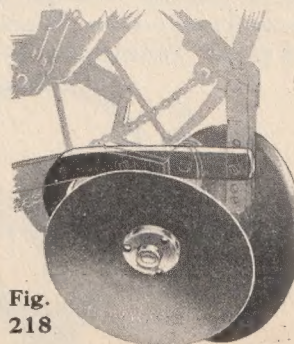


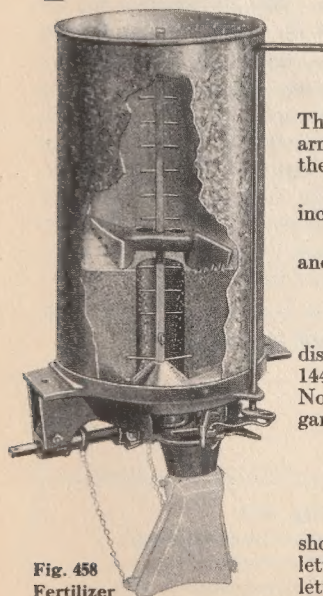
Fig. 142

Single disk
opening plow,
shown by
solid parts.
Price, attach-
ment only,
\$4.75



**Fig.
218**

Double disk
opening plow,
shown by
solid parts.
Price, attach-
ment only,
\$4.75



**Fig. 458
Fertilizer
Distributor**

Four-Row Marker, No. 147-4

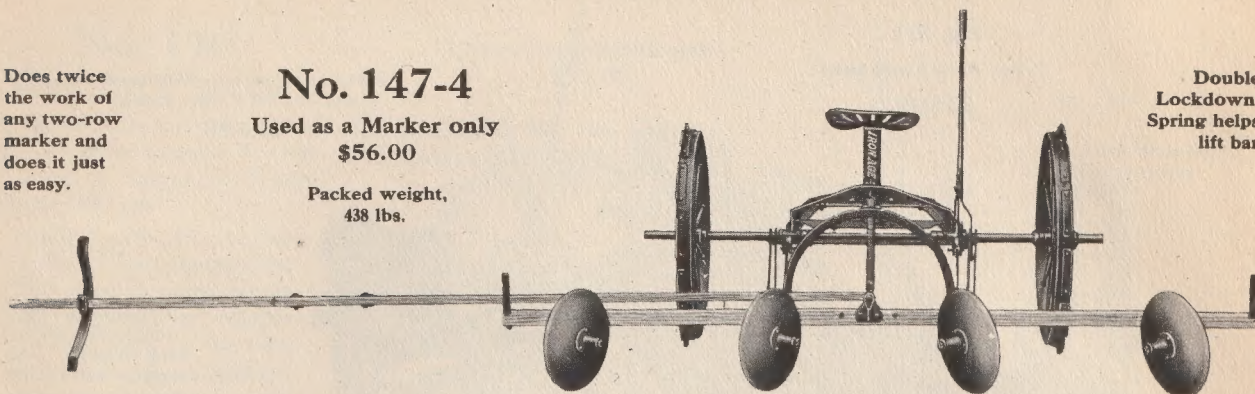
Does twice
the work of
any two-row
marker and
does it just
as easy.

No. 147-4

Used as a Marker only
\$56.00

Packed weight,
438 lbs.

Double
Lockdown.
Spring helps
lift bar



This machine is complete in itself and *cannot be built up* to any other form such as Coverer, Row Maker, Planter, etc.

It has a wide marker bar and a wide axle to correspond. The bar has a double lockdown controlled by the lever. This keeps the bar in its place and makes the disks do their full work. When raised, a lifting spring helps to do it.

The bar is arranged to mark four rows, 28, 30, 33 or 36 inches apart.

It has the same angle steel frame and $1\frac{5}{8}$ inch axle as on the No. 147 Marker (page 4) but the wheels are 36 inch and have no ratchets.

16 inch steel disks are used and are adjustable for angle. Each disk hub is provided with a grease cup.

The marker bar is raised and automatically locked on the circular arch, when turning at ends of rows or when on the road.

If this machine is wanted with 4 furrowers (Fig. 441) instead of disks, order complete machine as No. 147-4 F, Price, \$54.00.

Two-Row Marker only, No. 147-2

Same as above except shorter marker bar, shorter axle and arranged for two rows only, with disks to mark the rows.

In this form it will mark rows from 28 inches to 5 feet apart, Price, No. 147-2, \$43.00. Packed weight, 283 lbs.

Two-Row Marker and Coverer, No. 147 X

Same as No. 147-2 except that it has center lockdown instead of double and it includes covering gang as shown in Fig. 524, page 4, Price, No. 147 X, \$43.50. (No lifting spring with this machine.) Packed weight, 324 lbs.

Three-Row Furrower, No. 147-3

Same as No. 147-2, except marker bar is one foot longer, has long axle same as on No. 147-4, and 3 furrowers are used as in Fig. 441, instead of disks. This machine also has the lifting spring. Price, No. 147-3, \$47.50. Packed weight, 374 lbs.

Disks are needed in trashy ground but in clean, smooth ground, the disks throw the soil out one side only—then when the covering disks are used, it is more difficult to cover uniformly and there is a tendency of the covering disks to draw away from the row on account of sod or dirt clods in the ridge thrown up by the marking disks. The furrowers throw the soil out equally each side and when covering disks follow, the work is uniform. The furrowers can be set to mark three rows, 3 feet apart or two rows, 6 feet apart or as narrow as desired in either case.

The furrowers can be applied to any Iron Age Variety Row Marker, old or new. Can be ordered as an attachment.

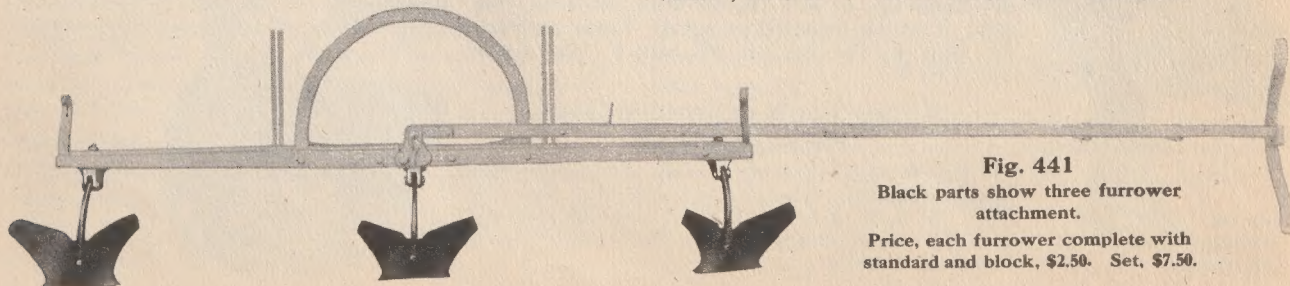


Fig. 441

Black parts show three furrower attachment.

Price, each furrower complete with standard and block, \$2.50. Set, \$7.50.